

Amendment to the Specification:

Please amend paragraph [22], as follows:

[22] In one embodiment, the transmitter de-emphasis circuit 106 includes a transconductance device 120, a slicer ~~[[112]]~~ 121, a variable transconductance device 122, and a summer 124. The transconductance device 120 provides an output current proportional to the output signal provided by the synchronization circuit 104. The variable transconductance device 122 provides an output current proportional to the output signal provided by the a slicer or second synchronization circuit ~~[[122]]~~ 121 and proportional to the variable Alpha. The output current of the first transconductor 120 and the output current of the second variable transconductor 122 are combined and converted to a voltage by the summer 124 before driving the transmission line 110. The second synchronization circuit ~~[[112]]~~ 121 provides an additional delay for the signal provides to the second transconductor 122. The gain (Alpha) of the second transconductor 122 can be programmed. As a result, the de-emphasis circuit decreases the amplitude of the low frequency signal components of the input signal, while the high frequency components are unchanged. The invention is not limited to the configuration that is shown for the transmitter de-emphasis circuit 106. Based on the discussion herein, those skilled in the art will recognize techniques and configurations to decrease the amplitude of the low frequency signal components relative to the high frequency signal components in the input signal. These other configurations are within the scope and spirit of the present invention.

Please amend paragraph [13], as follows:

~~FIG. 6 illustrates~~ FIGs. 6, 6-1, 6-2 illustrate the eye diagram at the receiver comparing no de-emphasis vs with de-emphasis, and an external equalizer. The improvement in bit error rate is apparent using the de-emphasis.

Please amend paragraph [14], as follows:

~~FIG. 7 illustrates~~ FIGs. 7 and 7-1 illustrate the eye diagrams when using de-emphasis verses a passive receiver equalizer.